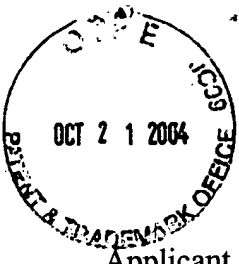


IFW

Attorney's Docket No.: 04838-077001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lawrence W. Yonge et al.      Art Unit : 2141  
Serial No. : 10/720,742      Examiner : Unknown  
Filed : November 24, 2003  
Title : MEDIUM ACCESS CONTROL LAYER THAT ENCAPSULATES DATA  
FROM A PLURALITY OF RECEIVED DATA UNITS INTO A PLURALITY OF  
INDEPENDENTLY TRANSMITTABLE BLOCKS

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

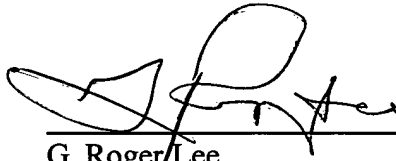
INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. Accordingly, only copies of foreign patent documents and non-patent literature are enclosed. Applicants do not concede that the listed documents are prior art.

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10/19/04

  
\_\_\_\_\_  
G. Roger Lee  
Reg. No. 28,963

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20957502.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 19, 2004  
Date of Deposit

Maureen Christiano  
Signature

Maureen Christiano  
Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary) OCT 21 2004 37 CFR §1.98(b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 04838-077001	Application No. 10/720,742
		Applicant Lawrence W. Yonge III et al.	
		Filing Date November 24, 2003	Group Art Unit 2141

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6778507	08/17/04	Jalali			
	AB	6747976	06/08/04	Bensaou et al.			
	AC	6671284	12/30/03	Yonge III et al.			
	AD	6667991	12/23/03	Tzannes			
	AE	6654410	11/25/03	Tzannes			
	AF	6567914	05/20/03	Just et al.			
	AG	6553534	04/22/03	Yonge III et al.			
	AH	6538985	03/25/03	Petry et al.			
	AI	6526451	02/25/03	Kasper			
	AJ	6519263	02/11/03	Huth			
	AK	6501760	12/31/02	Ohba et al.			
	AL	6487212	11/26/02	Erimli et al.			
	AM	6480489	11/12/02	Muller et al.			
	AN	6473435	10/29/02	Zhou et al.			
	AO	6466580	10/15/02	Leung			
	AP	6456649	09/24/02	Isaksson et al.			
	AQ	6442129	08/27/02	Yonge, III et al.			
	AR	6434153	08/13/02	Yazaki et al.			
	AS	6430661	08/06/02	Larson et al.			
	AT	6397368	05/28/02	Yonge, III et al.			
	AU	6385672	05/07/02	Wang et al.			
	AV	6370156	04/09/02	Spruyt et al.			
	AW	6363052	03/26/02	Hosein			
	AX	6343083	01/29/02	Mendelson et al.			
	AY	6334185	12/25/01	Hansson et al.			
	AZ	6295296	09/25/01	Tappan			
	AAA	6289000	09/11/01	Yonge, III			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6279716	08/28/01	Kayatani et al.			
	ACC	6278716	08/21/01	Rubenstein et al.			
	ADD	6278685	08/21/01	Yonge, III et al.			
	AEE	6259696	07/10/01	Yazaki et al.			
	AFF	6252849	06/26/01	Rom et al.			
	AGG	6243449	06/05/01	Margulis et al.			
	AHH	6243386	06/05/01	Chan et al.			
	AII	6222851	04/24/01	Petry			
	AJJ	6216244	04/10/01	Myers et al.			
	AKK	6215792	04/10/01	Abi-Nassif			
	ALL	6202082	03/13/01	Tomizawa et al.			
	AMM	6192397	02/20/01	Thompson			
	ANN	6188717	02/13/01	Kaiser et al.			
	AOO	6182147	01/30/01	Farinacci			
	APP	6169744	01/02/01	Grabelsky et al.			
	AQQ	6151296	11/21/00	Vijayan et al.			
	ARR	6130894	10/10/00	Ojard et al.			
	ASS	6130887	10/10/00	Dutta			
	ATT	6125150	09/26/00	Wesel et al.			
	AUU	6108713	08/22/00	Sambamurthy et al.			
	AVV	6092214	07/18/00	Quoc et al.			
	AWW	6076115	06/13/00	Sambamurthy et al.			
	AXX	6052377	04/18/00	Ohmi et al.			
	AYY	6044482	03/28/00	Wong			
	AZZ	6041358	03/21/00	Huang et al.			
	AAAA	6044154	03/28/00	Kelly			
	ABBB	6041063	03/21/00	Povlsen et al.			

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(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	6006017	12/21/99	Joshi et al.			
	ADDD	6005894	12/21/99	Kumar			
	AEEE	5987011	11/16/99	Toh			
	AFFF	5970062	10/19/99	Bauchot			
	AGGG	5966412	10/12/99	Ramaswamy			
	AHHH	5956338	09/21/99	Ghaibeh			
	AIII	5948060	09/07/99	Gregg et al.			
	AJJJ	5940438	08/17/99	Poon et al.			
	AKKK	5940399	08/17/99	Weizman			
	ALLL	5914959	06/22/99	Marchetto et al.			
	AMMM	5914932	06/22/99	Suzuki et al.			
	ANNN	5903614	05/11/99	Suzuki et al.			
	AOOO	5896561	04/20/99	Schrader et al.			
	APPP	5892769	04/06/99	Lee			
	AQQQ	5886993	03/23/99	Ruszczuk et al.			
	ARRR	5884040	03/16/99	Chung			
	ASSS	5841873	11/24/98	Lockhart et al.			
	ATTT	5841778	11/24/98	Shaffer et al.			
	AUUU	5828677	10/27/98	Sayeed et al.			
	AVVV	5825807	10/20/98	Kumar			
	AWWW	5818826	10/06/98	Gfeller et al.			
	AXXX	5818821	10/06/98	Schurig			
	AYYY	5812599	09/22/98	Van Kerckhove			
	AZZZ	5799033	08/25/98	Baggen			
	AAAAA	5793307	08/11/98	Perrault et al.			
	ABBBB	5790541	08/04/98	Patrick et al.			
	ACCCC	5787071	07/28/98	Basso et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ADDDD	5771235	06/23/98	Tang et al.			
	AEEEE	5764931	06/09/98	Schmahl et al.			
	AFFFF	5757770	05/26/98	Lagoutte et al.			
	AGGGG	5757766	05/26/98	Sugita			
	AHHHH	5745769	04/28/98	Choi			
	AIIII	5737330	04/07/98	Fulthorp et al.			
	AJJJJ	5732113	03/24/98	Schmidl et al.			
	AKKKK	5717689	02/10/98	Ayanoglu			
	ALLLL	5706348	01/06/98	Gray et al.			
	AMMMM	5694389	12/02/97	Seki et al.			
	ANNNN	5651009	07/22/97	Perreault et al.			
	AOOOO	5644576	07/01/97	Bauchot et al.			
	APPPP	5636230	06/03/97	Marturano et al.			
	AQQQQ	5629948	05/13/97	Hagiwara et al.			
	ARRRR	5623512	04/22/97	Sasaki			
	ASSSS	5619651	04/08/97	Young			
	ATTTT	5615212	03/25/97	Ruszczyk et al.			
	AUUUU	5612975	03/18/97	Becker et al.			
	AVVVV	5610908	03/11/97	Shelswell et al.			
	AWWWW	5568476	10/22/96	Sherer et al.			
	AXXXX	5563897	10/08/96	Pyndiah et al.			
	AYYYY	5563883	10/08/96	Cheng			
	AZZZZ	5555268	09/10/96	Fattouche et al.			
	AAAAAA	5548649	08/20/96	Jacobson			
	ABBBBB	5541922	07/30/96	Pyhalamm			
	ACCCCC	5537414	07/16/96	Takiyasu et al.			
	ADDDDD	5524027	06/04/96	Huiskens			

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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AEEEEEE	5515379	05/07/96	Crisler et al.			
	AFFFFFF	5504747	04/02/96	Sweazey			
	AGGGGGC	5488632	01/30/96	Mason et al.			
	AHHHHH	5483529	01/09/96	Baggen et al.			
	AIIIII	5473602	12/05/95	McKenna et al.			
	AJJJJJ	5452322	09/19/95	Lauer			
	AKKKKK	5452288	09/19/95	Rahuel et al.			
	ALLLLL	5448565	09/05/95	Chang et al.			
	AMMMMM	5436905	07/25/95	Li et al.			
	ANNNNN	5426646	06/20/95	Slack			
	AOOOOC	5416801	05/16/95	Chouly et al.			
	APPPPP	5384777	01/24/95	Ahmadi et al.			
	AQQQQQ	5343473	08/30/94	Cidon et al.			
	ARRRRR	5339313	08/16/94	Ben-Michael et al.			
	ASSSSS	5307376	04/26/94	Castelain et al.			
	ATTTTT	5280480	01/18/93	Pitt et al.			
	AUUUUU	5274629	12/28/93	Helard et al.			
	AVVVVV	5231634	07/27/93	Giles et al.			
	AWWWWW	5228025	07/13/93	Le Floch et al.			
	AXXXXX	5214646	05/25/93	Yacoby			
	AYYYYY	5197061	03/23/93	Halbert-Lassalle et al.			
	AZZZZZ	5157659	10/20/92	Schenkel			
	AAAAAA	5140584	08/18/92	Suzuki			
	ABBBBB	5121396	06/09/92	Irvin et al.			
	ACCCCC	5105423	04/14/92	Tanaka et al.			
	ADDDDD	5081678	01/14/92	Kaufman et al.			
	AEEEEEE	5046069	09/03/91	Calvignac et al.			

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	Applicant <b>Lawrence W. Yonge III et al.</b>		
	Filing Date <b>November 24, 2003</b>	Group Art Unit <b>2141</b>	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AFFFFFF	5003539	03/26/91	Takemoto et al.			
	AGGGGG	5001472	03/19/91	Fischer et al.			
	AHHHHH	4943959	07/24/90	Arnold			
	AIIIII	4881241	11/14/89	Pommier et al.			
	AJJJJJ	4819229	04/04/89	Pritty et al.			
	AKKKKK	4792947	12/20/88	Takiyasu et al.			
	ALLLLL	4726018	02/16/88	Bux et al.			
	MMMMM	4720850	01/19/88	Oberlander et al.			
	ANNNNN	4677612	06/30/87	Olson et al.			
	AOOOOO	4630261	12/16/86	Irvin			
	APPPPP	4581734	04/08/86	Olson et al.			
	AQQQQQ	4569044	02/04/86	Tao et al.			
	ARRRRR	3806885	04/23/74	Moore			
	ASSSSS	2004/0001499	01/01/04	Patella et al.			
	ATTTTT	2003/0006883	01/09/03	Kim et al.			
	AUUUUU	2003/0174664	09/18/03	Benveniste			
	AVVVVV	2003/0079169	04/24/03	Ho et al.			
	WWWWW	2002/0191533	12/19/02	Chini et al.			
	AXXXXX	2002/0065047	05/30/02	Moose			
	AYYYYY	2002/0048368	04/25/02	Gardner			
	AZZZZZ	2002/0042836	04/11/02	Mallory			
	AAAAAA	2001/0048692	12/06/01	Karner			
	BBBBBB	2001/0043576	11/22/01	Terry			
	CCCCCC	Re. 35,001	07/25/95	Grow			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

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### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DDDDDD	02/41598	05/23/02	PCT				
	AEAEAE	98/57440	12/17/98	PCT				
	AFFFFF	3413144	10/17/85	Germany				

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	GGGGGG	USSN 09/632,303
	HHHHHH	Sun et al., Public-key ID-based Cryptosystem, 1991, IEEE, pages 142-144
	AIIIIII	Bruschi, Danilo, Secure Multicast in Wireless Networks of Mobile Hosts: Protocols and Issues, 2002, Mobile Networks and Applications, pages 503-511
	AJJJJJJ	IBM, Combined use of collision resolution and collision avoidance MAC protocols, 10/1/1994, IBM Technical Disclosure Bulletin, Vol. 37, Pages 299-302 (NN9410299)
	KKKKKK	ISO/IEC 8802-3: 2002 International Standard (ANSI/IEEE Std 802.3) Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications
	ALLLLLL	ISO/IEC 8802-11: 1999 International Standard (ANSI/IEEE Std 802.11) Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications
	MMMMMM	Shared Wireless Access Protocol (Cordless Access) Specification, SWAP-CA Revision 1.21, 27 January 1999, by the HomeRF™ Technical Committee
	NNNNNN	Interface Specification for HomePNA™ 2.0 - 10M8 Technology, 12/01/1999
	OOOOOO	Interface Specification for HomePNA™ 2.0 - 10M8 Technology - Link Layer Protocols, 12/01/1999
	APPPPPP	Bux, "Token-Ring Local-Area Networks and Their Performance," Procs. Of the IEEE, Vol. 77, No. 2, February 1989
	QQQQQQ	Applied Cryptography, Second Edition: protocols, algorithms, and source code in C, Bruce Schneier, 1996
	RRRRRR	PKCS #5 v. 20: Password-Based Cryptography Standard, RSA Laboratories, March 25, 1999
	ASSSSSS	HomePlug Powerline Alliance, HomePlug 1.0.1 Specification, December 1, 2001
	ATTTTTT	Lee et al., "HomePlug 1.0 powerline communication LANs - protocol description and performance results", Int. J. Commun. Syst., Vol. 16 (2003)
	UUUUUU	Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications, ISO/IEC 8802-3: 1996 International Standard (ANSI/IEEE Std 802.3)
	VVVVVV	Bertsekas et al., Data Networks, Prentice Hall, Englewood Cliffs, NJ, Section 2.4.3 Selective Repeat ARQ (1992)
	WWWWW	HiPerformance Radio Local Area Network (HiperLAN) Type I: Functional Specification, European Standard (Telecommunication Series) No. 300652 V. 1.2.1 1998-07
	XXXXXX	An Architecture for Differentiated Services, IETF RFC 2475, December 1998

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**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	YYYYYY	Goalic et al., "Real-Time Turbo-Decoding of Product Codes on a Digital Signal Processor," IEEE, pp. 624-628 (1997)
	AZZZZZ	Benedetto et al., "A Soft-Input Soft-Output Maximum A Posteriori (MAP) Module to Decode Parallel and Serial Concatenated Codes," TDA Progress Report 42-127, pp. 1-20 (11/96)
	AAAAAA	Peterson et al., "Error-Correcting Codes," The MIT Press (1972)
	BBBBBB	Pyndiah, "Near-Optimum Decoding of Product Codes: Block Turbo Codes," IEEE Transactions on Communications, Vol. 46, No. 8, pp. 1003-1010 (08/98)
	CCCCCC	Pyndiah, "Near Optimum Decoding of Product Codes," IEEE, pp. 339-343 (1994)
	EDDDDD	Pyndiah, "Performance of Block Turbo Coded 16-QAM and 64-QAM Modulations," IEEE, pp. 1039-1043 (1995)
	EEEEEE	Ehram et al., "A cryptographic key management scheme for implementing the Data Encryption Standard," IBM Syst J, Vol. 17, No. 2 (1978)

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